

# RHEOCELL<sup>®</sup> RHEOFILL

Controlled Low-Strength Materials (CLSM) Admixture

## DESCRIPTION

**RHEOCELL Rheofill** is a ready-to-use concentrated self-contained product for use in various Regular-Controlled Low-Strength Materials (Reg-CLSM) applications where air contents up to 30% are desired.

## FEATURES AND BENEFITS

**RHEOCELL Rheofill** admixture produces stable air contents of 15 to 30%. Reg-CLSM produced with **RHEOCELL Rheofill** admixture offers the user the following:

- **Little or no bleeding**
- **No segregation**
- **Reduced shrinkage**
- **Reduced settlement**
- **Reduces water content by as much as 50%**
- **Increased yield**
- **Optimum workability-can be produced in either fluid or plastic consistency**
- **Increased pumpability**
- **Control of strength development**
- **Cost effective compared to in-place cost of compacted soil**

**Note:** When using high air producing materials, setting times may be extended. When an earlier load bearing (set) time is needed, accelerating admixtures may be used in the CLSM mixture.

## WHERE TO USE

**RHEOCELL Rheofill** produced CLSM can be used in any application in lieu of compacted soil. **RHEOCELL Rheofill** is used in Regular-CLSM mixes to lower the density, eliminate settlement, and to control strength development.

**RHEOCELL Rheofill** admixture can be used in the following applications:

**Backfill** (flowable fill) – sewer trenches, utility trenches, bridge abutments, retaining walls, conduit trenches, etc.

**Structural fill** – foundation subbases, floor slab bases, pipe bedding.

## USAGE INFORMATION

**RHEOCELL Rheofill** admixture is a dry powdered material packaged in a ready-to-use disintegrative bag formulated for use in producing Reg-CLSM. It should not be used in conventional concrete.

**RHEOCELL Rheofill** admixture is available in two sizes. The small bag treats 0.75 cubic metres and the large bag treats 3 cubic metres, respectively. The bag is tossed into the truck hopper and mixed with the previously batched CLSM materials for a minimum of 5 minutes. It is not necessary to wash down the hopper after adding **RHEOCELL Rheofill** admixture.

**RHEOCELL Rheofill** admixture performs best when added to mixes with a slump of 25 to 75 mm. If a high water content is currently being used, the mix design should be adjusted to obtain a maximum 75 mm slump.

**RHEOCELL Rheofill** admixture may be added at the jobsite or at the ready-mix plant.

## TEMPERATURE PRECAUTION

**RHEOCELL Rheofill** admixture should be stored in a dry area at temperatures below 50 °C.

## PACKAGING

**RHEOCELL Rheofill** admixture is supplied in two bag sizes:

- Small: to treat 0.75 cubic metre
- Large: to treat 3 cubic metre

For additional information on **RHEOCELL Rheofill** contact your local BASF Construction Chemicals Technical Sales Representative.

## PRECAUTIONS

For the full health and safety hazard information and how to safely handle and use this product, please make sure that you obtain a copy of the BASF **Material Safety Data Sheet (MSDS)** from our office or our website.



The Chemical Company

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## STATEMENT OF RESPONSIBILITY

The technical information and application advice given in this **BASF** publication are based on the present state of our best scientific and practical knowledge. As the information herein is of a general nature, no assumption can be made as to a product's suitability for a particular use or application and no warranty as to its accuracy, reliability or completeness either expressed or implied is given other than those required by law. The user is responsible for checking the suitability of products for their intended use.

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## NOTE

Field service where provided does not constitute supervisory responsibility. Suggestions made by **BASF** either orally or in writing may be followed, modified or rejected by the owner, engineer or contractor since they, and not **BASF**, are responsible for carrying out procedures appropriate to a specific application.

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